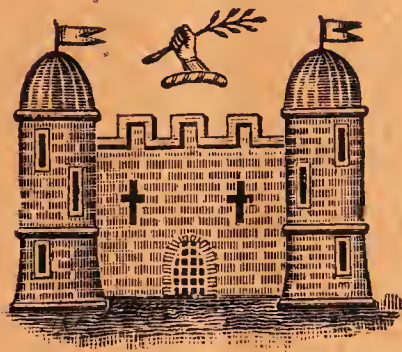


KNARESBOROUGH  
RURAL DISTRICT COUNCIL.



MEDICAL OFFICER'S  
ANNUAL REPORT,

FOR THE  
YEAR ENDED DECEMBER 31ST, 1913.

Knareborough:  
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1914.



# KNARESBOROUGH RURAL DISTRICT COUNCIL



## MEDICAL OFFICER'S ANNUAL REPORT

For the Year ended December 31st, 1913.



*To the Chairman and Councillors of the Knaresborough Rural  
District Council.*

GENTLEMEN,

I have pleasure in laying before you my Fifteenth Annual Report as Medical Officer of Health for the Knaresborough Rural District, for the year ended December 31st, 1913.

The population of the district has not increased much **Population** during the year, as there has been very little building done in any portion of the district. The estimated population up to the middle of 1913 is 8,575.

The number of births registered as belonging to the **Births.** district was 169. This is 5 less than that of the previous year, and gives an annual birth rate of 19·7 per thousand of the estimated population. This is very low, and compares unfavourably with that for England and Wales, which was 23·9.

The number of deaths of residents in the district and **Deaths.** of residents in places outside the district was 89. This is

2 less than last year. The annual death rate for the year 1913 was 10·35 per thousand of the estimated population. This is a very satisfactory rate. The corresponding rate for England and Wales was 13·7.

**Deaths  
under one  
year of age**

The deaths in children under one year of age were 9 in number. Five of these were in premature or debilitated infants. Two were due to convulsions, one to acute dermatitis, and one to suffocation. The infantile mortality for the year was 53·2 per thousand births registered. This is the lowest death rate in infants of which I have any record in the district. This is less than half that for England and Wales for the same period, viz.: 109 per thousand births.

**Causes of  
Death at  
all ages.**

Between the ages of 1 and 2 years there were 2 deaths; between 2 and 15 there were 3 deaths; between 15 and 25 there were 5; between 25 and 45 there were 11; between 45 and 65 there were 22; and over 65 there were 37. There were 31 deaths in persons 70 years and upwards, and of these 14 were between the ages of 80 and 92. The principal causes of death were: Heart disease, 16; Cancer, 10; Pneumonia, 5; Phthisis and other Tubercular Diseases, 5; Bright's Disease, 4; and Bronchitis, 1.

**Zymotic  
Diseases.**

There were no deaths from the Zymotic Diseases; therefore the annual death rate from this cause is 0. The zymotic death rate for England and Wales for the same period was 1·20 per thousand of the estimated population.

**Cancer.**

There were 10 deaths registered as due to Cancer. This is slightly above the average for the district, viz.: 7. These cases occurred in the following parishes:—Pannal, 3; Knaresborough Outer, 3; Ripley, Brearton, Nidd, and Hampsthwaite, 1 each. Seven were males and 3 females,

**Phthisis  
and other  
Tubercular  
Diseases.**

Phthisis and other Tubercular Disease caused 5 deaths. The number of deaths due to this cause in previous years was:—1902, 5; 1903, 9; 1904, 11; 1905, 14; 1906, 13;



1907, 14; 1908, 5; 1909, 10; 1910, 8; 1911, 5; 1912, 6. This is the first year during which Tuberculosis of any organ of the body was a notifiable disease. During this period 11 cases were notified.

Diarrhœa caused no deaths during the year. It is an **Diarrhœa**. exceedingly rare cause of death in the district. Some years ago it was a frequent cause.

The number of Infectious Diseases notified to me **Infectious Diseases Notified.** during the year was 31, viz.:—Scarlet Fever, 10; Diphtheria, 5; Enteric Fever, 3; Erysipelas, 2; and Phthisis and other Tubercular Diseases, 11.

Scarlet Fever occurred in the following parishes:—**Scarlet Fever.** Bilton, 4; Knaresborough Outer, 3; and Pannal, 3. There were five different outbreaks of the disease, all of which were of a mild character. No deaths were due to this disease.

Diphtheria occurred in Pannal (3), Knaresborough **Diphtheria** Outer (1), and Hampsthwaite (1). There were no deaths from this disease.

At Hampsthwaite three cases of Enteric Fever **Enteric Fever.** occurred. The cause was no doubt due to the water supply. The village is supplied by three public and several private wells, all of which are "surface wells." During the year the greater part of the wells were dry, so that the inhabitants to a great extent were dependent on a well in the Village Green. This well and two others were found on analysis unfit for domestic use. Several others shewed that the surrounding soil which has been acting as a filtering medium was beginning to be over-taxed, and consequently the water in these wells was likely to become polluted.

There were no cases of this disease in the district **Polio-myelitis.** during the year.

**Whooping Cough.**

There were not many cases of Whooping Cough during the year. The cases were of a mild nature, and caused no deaths.

**Measles.**

Measles was less prevalent than usual in the district, No deaths were attributed to this cause.

**Small Pox.**

No case of Small Pox was notified during the year.

**Sewage Disposal.**

There have been no developments as regards Sewage disposal during the year. A scheme has been prepared to drain the Follifoot end of Pannal village, which has for a considerable time been very unsanitary. This will be carried out early during the next year. The extension of the sewers in Pannal and Knaresborough Outer (Forest Moor) has resulted in the re-draining of practically all the old houses within these districts, the numerous cesspools and foul ditches of a few years ago being abolished. Schemes are being prepared for the drainage of Burton Leonard and Hampsthwaite. The villages of Scotton, Ferrensby, Flaxby, and South Stainley are all in need of drainage. At Brearton the drains in the village have been relaid with new pipes. A better method of disposal of the sewage is required.

**Water Supply.**

There is a good supply of water in the whole district, with the exception of the villages of Scotton, Brearton, Hampsthwaite, and Flaxby. A great number of the wells (particularly in Hampsthwaite and Scotton) have been dry during the summer and autumn, and if another dry summer should follow this last one there will be a greater shortage still. I have already dealt with the impure water at Hampsthwaite under the heading of Enteric Fever.

**Slaughter Houses.**

There are 14 Slaughter Houses registered in the district. Three seizures of unsound food were made during the year. Improvements have been made in several of the Slaughter Houses, but some are in an unsatisfactory state.

There are 180 Cowsheds registered in the district. **Cowsheds.** Several have been newly constructed. Notices have been given for existing defective sheds to be brought up to the Council's requirements before the end of next summer. A much higher standard of cleanliness of the animals, sheds and milking is being secured.

The Council have obtained power to deal with private **Streets.** streets, and intend to make up several of the worst back streets.

There are 14 Schools in the district. There has not **Schools.** been any epidemic of infectious disease to necessitate the closure of any of these during the year.

The scavenging of Pannal has been undertaken by the **Scaven-** Council. Killinghall and Knaresborough Outer require **ging.** similar treatment.

Under the Housing (Inspection of District) Regula- **Housing.** tions 79 houses were inspected. Of these 9 were found not reasonably fit for human habitation. Two houses were represented to the Council as totally unfit for human habitation. Closing orders were made in respect of 3 houses. Three dwelling-houses were closed as unfit for human habitation after closing orders were made. In 59 cases defects were remedied without making of closing orders. At Burton Leonard there is a scarcity of houses.

The number of Factories and Workshops in the **Factories** district is 72, viz.: Factories(including Factory Laundries), **and** **Workshops** 17; Workplaces (including Workshop Laundries), 12; Domestic Workshops, 5; Retail Bakehouses, 2; and other Workshops, 36.

No defect of Sanitation of Workshops as regards **Sanitation** cleanliness, air space, ventilation, or drainage of wet **of** **Workshops** floors was found.



**Retail  
Bak'houses**

There are 2 Retail Bakehouses in the district. These comply with the Factories and Workshops Act as regards closets, drains, water cisterns to w.c.'s, sleeping places, and limewashing.

**Under-  
ground  
Bak'houses**

There are no Underground Bakehouses in the district.

**Home  
Work.**

There is no "Home Work" in the district within the meaning of the Factories and Workshops Act.

I am pleased to be again able to place such a favourable Report before you.

I have the honour, Gentlemen, to remain,

Your obedient Servant,

W. J. FORBES,

*Medical Officer of Health.*

*May 8th, 1914.*



TABLE I.

Vital Statistics of Whole District during 1913 and previous years.

TABLE II.

Cases of Infectious Diseases notified during the year 1913.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.			TOTAL DEATHS REGISTERED IN THE DISTRICT.		TRANSFERABLE DEATHS.		NETT DEATHS BELONGING TO THE DISTRICT.				NOTIFIABLE  DISEASE.	NO. OF CASES NOTIFIED.						Total Cases removed to Hospital.	
		Unrec- orded No.	Nett.		No.	Rate.	of Non-resi- dents registered in the District.	of Residents not in the District.	Under 1 Year of Age.		At all Ages.			At all Ages.	Undr 1	1 to 5	5 to 15	15 to 25	25 to 45		45 to 65
			No.	Rate.					No.	Rate per 1000 Nett Births.	No.	Rate.									
1,	2,	3,	4,	5,	6,	7,	8,	9,	10,	11,	12,	13,									
1908	9390	209	—	22·2	115	12·24	3	5	16	76·5	117	12·46	Small Pox .....	—	—	—	—	—	—	—	
1909	9620	192	—	19·9	89	9·23	1	3	19	98·9	91	9·45	Cholera .....	—	—	—	—	—	—	—	
1910	9750	183	—	18·7	98	10·00	2	5	15	81·9	101	10·23	Diphtheria (in- cluding Mem. croup) .....	5	—	4	—	1	—	1	
1911	8209	183	184	22·4	102	12·43	9	9	14	76·0	102	12·45	Erysipelas .....	2	—	—	1	1	—	—	
1912	8360	170	174	20·8	80	9·56	3	13	12	63·2	90	10·76	Scarlet fever...	10	2	5	1	1	—	9	
													Typhus fever...	—	—	—	2	—	—	2	
													Enteric fever...	3	—	—	—	—	—	—	
													Rel'psing fever	—	—	—	—	—	—	—	
													Continu'd fever	—	—	—	—	—	—	—	
													Puerperal fever	—	—	—	—	—	—	—	
													Cerebro-spinal	—	—	—	—	—	—	—	
													Meningitis ...	—	—	—	—	—	—	—	
													Poliomyelitis...	—	—	—	—	—	—	—	
													Pulmonary	—	—	—	—	—	—	—	
													Tuberculosis	8	—	4	3	1	—	—	
													Other forms of	3	—	2	—	1	—	—	
1913	8575	169	169	19·7	94	10·95	10	5	9	53·2	89	10·35	Tuberculosis	31	1	2	15	7	5	1	
													Totals .....								

Area of District in acres (land and inland water)—37,495. Total population at all ages—8,143. Number of inhabited houses—1,809. Average number of persons per house—4·5. (At Census of 1911.) Isolation Hospital or Hospitals, Sanatoria, &c.—Harrogate and Knaresborough Joint Isolation Hospital, Thistle Hill.

TABLE III.

## Knaresborough Rural District.

Causes of and Ages at, Death during the Year 1913.

CAUSES OF DEATH.	Nett Deaths at the subjoined ages of " Residents " whether occurring within or without the District.										Total Deaths in Public Institutions in District.
	All ages.	Un-der 1 year.	1 and un-der 2 years	2 and un-der 5 years	5 and un-der 15 years	15 and un-der 25 years	25 and un-der 45 years	45 and un-der 65 years	65 and up-wards		
All causes ... ..	89	9	2	2	1	5	11	22	37	5	
Diphtheria and Croup .. ..	...	...	...	...	...	...	...	...	...	5	
Influenza ... ..	2	...	...	...	...	...	...	2	...	...	
Phthisis Pulmonary Tuberculosis	4	...	...	1	...	1	2	...	...	...	
Other Tuberculosis Diseases ...	1	...	1	...	...	...	...	...	...	...	
Cancer, malignant disease ...	10	...	...	...	...	...	2	3	5	...	
Organic Heart Disease ... ..	16	...	...	...	...	1	...	8	7	...	
Bronchitis ... ..	1	...	...	...	...	...	...	...	1	...	
Pneumonia (all forms) ... ..	5	...	...	...	...	1	2	1	1	...	
Nephritis and Bright's Disease	4	...	...	...	...	...	1	3	...	...	
Parturition Diseases &c. ... ..	1	...	...	...	...	1	...	...	...	...	
Congenital and Premature Birth	5	4	1	...	...	...	...	...	...	...	
Violent Deaths ... ..	3	1	...	...	...	...	2	...	...	...	
Suicide ... ..	1	...	...	...	...	...	...	1	...	...	
Other Defined Diseases...	36	4	...	1	1	1	2	4	23	...	

TABLE IV.

## Knaresborough Rural District.

### Infantile Mortality during the Year 1913.

Nett Deaths from stated causes at Various Ages under 1 Year of Age.

CAUSES OF DEATH.	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks and under 3 months	3 months and under 6 months	6 months and under 9 months	Total Deaths under 1 year.
All Causes.									
Certified ... ..	1	2	2	1	6	1	1	1	9
Uncertified ... ..	—	—	—	—	—	—	—	—	—
Convulsions ... ..	—	—	—	—	—	1	1	—	2
Injury at Birth ... ..	—	—	1	—	1	—	—	—	1
Premature Birth ... ..	—	1	1	1	3	—	—	—	3
Atrophy, Debility, and Marasmus ... ..	—	—	—	—	—	—	—	1	1
Other Causes ... ..	1	1	2	—	2	—	—	—	2
Totals ... ..	1	2	2	1	6	1	1	1	9

District of Knaresborough (Rural).—Population (estimated to middle of 1913), 8,143. Births in the year, 169. Nett deaths in the year of legitimate infants, 9; illegitimate infants, 0. Deaths from all Causes at all Ages, 89.



## TABLE C.—1913.

*Medical Officer of Health.*—W. J. FORBES, M.B., B.Ch., B.A.O.

*Sanitary Inspector* }  
*Building Surveyor* } —WILLIAM LUPTON.

## WATER SUPPLY.

Any developments during 1913?—No.

Any insufficiency, and where?—Hampsthwaite, Scotton, Brearton, and Flaxby.

Any curtailment?—No.

Did any wells fail, and where?—Yes; Hampsthwaite and Scotton.

Any unsatisfactory quality, and where?—Yes; Hampsthwaite.

Any unchecked plumbo-solvent action?—No.

## DRAINAGE AND SEWERAGE.

Any developments during 1913?—No.

Developments still needed as to (a) want of sewers.—Hampsthwaite, Burton Leonard, Scotton, Brearton, and Flaxby; (b) Improvement of defective sewers.—Brearton.

Any inadequacy of Sewage Disposal Works or complaints as to smells?—No.

No. of sink-wastes disconnected during 1913.—None. Trapped, 26.

## CLOSET ACCOMMODATION.

No. of Privies with open middens.—339.

No. of Pail or Tub Closets.—50.

No. of Privies with covered middens.—1,060.

No. of Water Closets.—673. Waste-water Closets.—None.

No. of Privies re-constructed during 1913—(a) as w.c.'s, 8; (b) other, 3.

No. of Closets constructed in 1913 for new houses (*a*) w.c.'s, 28 ;  
(*b*) other, 2.

### SCAVENGING.

How is refuse disposed of—(*a*) Destructor, No ; (*b*) Tips, One ;  
(*c*) Farmers, Yes.

Is there any inadequacy, and where?—Killinghall and Knaresborough Outer.

Any change during 1913?—The scavenging of Pannal.

### NUISANCE INSPECTIONS.

Total number of Inspections made in 1913.—288.

Informal Notices served, 65 : Complied with, 60.

Statutory Notices served, 46 ; Complied with or in hand.

Total No. of Nuisances in hand at close of 1912, 32 ; at close of 1913, 28.

Total No. of Nuisances reported during 1913, 326 ; abated during 1913, 330.

Total No. of Summonses or other legal proceedings.—None.

### REGULATED BUILDINGS, TRADES, &c.

Knacker's Yard, 1 ; No. on Register, 1 ; total number of inspections made, 6 ; general condition good ; Legal proceedings (if any), None.

Have the Council declared any other process to be offensive trades, *e.g.*, Fish-frying, Maggot-breeding, &c.?—No.

### SCHOOLS.

No. of Elementary Schools in District, 14.

No. of Visits to Schools, 4.

Action taken, None.

### MILK SUPPLY.

No. of samples taken by Officers of S.A. for analysis under F. & D. Acts.—None.

No. of samples taken by Officers of S.A. for bacteriological examination.—None.

What arrangement for Veterinary Inspection of dairy cows?—  
Veterinary Surgeon appointed.

Any action thereon by S.A., *e.g.*, to ascertain if cowsheds affected were satisfactory?—All inspected.

Any instance of disease attributed to milk in 1913?—At Hamps-  
thwaite. Enteric Fever probably carried by milk, although  
due to water supply.

No. of Cowkeepers in district, 122. No. registered, 122.

No. of Milk Sellers who are also Cowkeepers.—All. No. who  
are Purveyors only.—None.

Total No. of Cowsheds, 180. General condition.—Improved.

Approximate No. of Milch Cows in District, 1,250.

Any insufficiency in milk supply?—No.

Legal proceedings under D.C.M. orders?—None.

Any inspection or other action by Districts to which Milk is  
sent?—No.

#### OTHER FOODS.

No. of samples (other than milk) taken by officer of S.A. for  
examination under the Food and Drugs Acts.—None.

No. of seizures of unsound food.—3.

Kind and quantity.—Tubercular meat.

No. of prosecutions.—None.

No. of slaughter-houses, 14. No. registered, 14. Kind and con-  
dition, Mostly good.

No. of Prosecutions (*a*) Food and Drugs, None. (*b*) Unsound  
Food, None. (*c*) *Re* Slaughter-houses, None.

#### FACTORIES AND WORKSHOPS.

Any smoke nuisance, and where?—No.

No. of smoke observations taken.—None.

No. of cautions.—None.

Legal notices.—None.

Summonses.—None.

#### ADOPTIVE ACTS.

Acts adopted during 1913.—None.

#### BYE-LAWS AND REGULATIONS.

Any adopted during 1913?—No.



## INFECTIOUS AND OTHER DISEASES.

What diseases have been specially prevalent in 1913?—None.

What special action to combat same?—None.

Is hospital accommodation adequate and sufficient?—Yes.

What arrangement for the supply of antitoxin?—Supplied in necessitous cases.

Any diseases specially added to notifiable list?—No.

Any influences threatening the health of the district?—No.

## TUBERCULOSIS.—Procedure after notification.

Inspection of patient's home and workshop.—Yes.

Examination for contacts.—None.

Disinfection.—Yes.

Distribution of advice leaflets.—None.

Action *re* spitting.—None.

Shelters provided.—None.

Is sputum examined?—Yes.

## BACTERIOLOGY.

Is County Laboratory utilized?—Yes.

Any suggestions?—No.

## INFANT MORTALITY.

What organised effort to control it?—None necessary.

Has Notification of Births Act, 1907, been adopted?—No.

Is Health Visitor appointed by S.A.?—No.

By other body?—No.

Causes of any excessive infant mortality in 1913?—None.

## VITAL STATISTICS.

Births during 1913—Males, 95; Females, 74; total, 169.

No. of illegitimate included in above.—No information.

No. of still births (not included).—No information.

Deaths during 1913—(1) Gross Deaths, *i.e.*, total actually registered in the district without any correction, 94; (2) Nett deaths on which the rates are calculated—Males, 42; Females, 47; total, 89.

No. of uncertified deaths (included above).—None.

## MISCELLANEOUS.

What Mortuary accommodation—

(a) for accidents.—None.

(b) for infectious cases other than at hospital.—None.

No. of burial grounds.—14.

Any need for extension?—Burton Leonard.

Are there any maggot breeding establishments in the district?—  
No.

Any nuisance therefrom or action in relation thereto?—No.

## SANITARY STAFF.

What is the present annual salary of the M.O.H.?—£100.

Name of Sanitary Inspector—William Lupton; annual salary,  
£120. Other appointments held—Surveyor and Building  
Inspector; salary for such other appointments, £65.

Any assistants?—One.

Is staff sufficient?—Yes.

SUPPLEMENTARY REMARKS.—See body of Report.

## SUMMARY OF HOUSING WORK DURING 1913.

Houses with defects not disposed of at end of 1912—

Houses not reasonably fit for human habitation (Sec. 15)—19.

Houses totally unfit for human habitation (Sec. 17)—15.

Houses with minor defects (Public Health Acts)—32

Houses inspected under the Act and Regulations in 1913—79.

Houses in respect of which notices were satisfactorily complied  
with—59.

Action under Section 15—

Houses found not reasonably fit for human habitation—9.

Houses for which notices were given to execute works—70.

Action under P.H. Acts in cases of houses with minor defects—

Houses found with defects—30.

Houses made fit after preliminary notice—30.

Action under Section 17—

Houses found to be totally unfit for habitation—2.

Houses represented to Local Authority as being totally unfit  
for human habitation—2.

Houses in respect of which closing orders were made—3.

Houses closed as unfit for human habitation after closing  
orders were made—3.

Houses demolished voluntarily—3.

Houses with defects not disposed of at end of 1913—

Houses not reasonably fit for human habitation (Sec. 15)—38.

Houses with minor defects (Public Health Acts)—43.

Houses totally unfit for human habitation (Sec. 17)—2.

Name and address of Officer designated to make inspections—

William Lupton.

Any regulations made in respect of underground sleeping rooms under Sec. 17?—No.

Any action in respect of such rooms?—None needed. No such places in district.

#### OTHER ACTION IN REGARD TO HOUSING.

Any scarcity of houses, if so, where?—Burton Leonard.

Any overcrowding of persons in houses, and where?—No.

No. of cases of overcrowding dealt with during 1913?—None.

Any special activity in house building, and where?—No.

No. of new houses built during 1913—(a) Working class dwellings, 26; (b) Other, 4.

Any working class dwellings erected during 1913 by Sanitary Authority?—No.

Are Sanitary Authority contemplating erection of working class dwellings?—No.

#### TOWN PLANNING.

Any scheme prepared during 1913? If so, give details.—No.

Any scheme contemplated? If so, for what area?—No.

#### FACTORIES, WORKSHOPS, and WORK PLACES.

Regularly Inspected.

DEFECTS FOUND IN FACTORIES, WORKSHOPS, and WORK-PLACES.—None.

Home Work.—None.

#### REGISTERED WORKSHOPS.

Factories (including Factory Laundries).—17.

Work Places (including Workshop Laundries).—12.

Domestic Workshops.—5.

Retail Bakehouses.—2.

Other Workshops.—36.

Total Number of Workshops on Register.—72.

Other Matters.—None.



